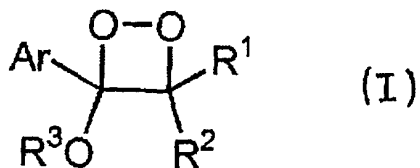
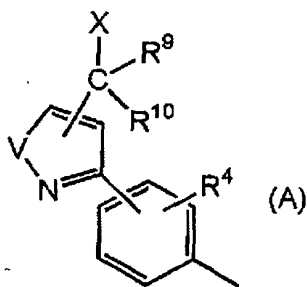


ABSTRACT OF THE DISCLOSURE

A 1,2-dioxetane derivative of the formula (I):

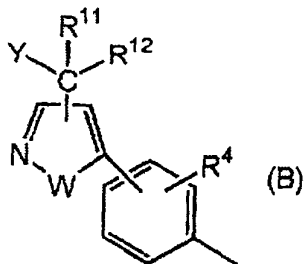


wherein each of R<sup>1</sup> and R<sup>2</sup> which are independent of each  
5 other, is a hydrogen atom, an alkyl group or an aryl  
group, or R<sup>1</sup> and R<sup>2</sup> may together form a cyclic or  
polycyclic organic ring group spiro-bonded to the  
dioxetane ring, R<sup>3</sup> is an alkyl group or an aryl group, or  
R<sup>3</sup> and R<sup>1</sup> or R<sup>2</sup> may together form a condensed ring  
10 containing the dioxetane ring and a hetero atom, and Ar  
is a group of the formula (A):



wherein R<sup>4</sup> is a hydroxyl group, an alkoxy group, an  
aralkyloxy group, a group of -OSi(R<sup>5</sup>R<sup>6</sup>R<sup>7</sup>) (wherein each of  
15 R<sup>5</sup>, R<sup>6</sup> and R<sup>7</sup> which are independent of one another, is an  
alkyl group or an aryl group), a phosphate group or a  
group of -S(C=O)R<sup>8</sup> (wherein R<sup>8</sup> is an alkyl group or an  
aryl group), each of R<sup>9</sup> and R<sup>10</sup> which are independent of

each other, is a hydrogen atom, an alkyl group, an aryl group or a halogen atom, X is a halogen atom, and V is an oxygen atom or a sulfur atom, or a group of the formula (B):



5

wherein  $R^4$  is the same as  $R^4$  in the above formula (A), each of  $R^{11}$  and  $R^{12}$  which are independent of each other, is a hydrogen atom, an alkyl group, an aryl group or a halogen atom, Y is a halogen atom, and W is an oxygen  
 10 atom or a sulfur atom.

202007-2445007